

April 24, 2019

Loci Controls, Inc. (Fall River, MA), and Dallas Clean Energy McCommas Bluff, LLC (“DCEMB”, Allentown, PA), announce today that they have entered into a three year service agreement for Loci Controls to provide automated landfill gas (“LFG”) collection services to support operations and optimize gas collection at DCEMB’s McCommas Bluff LFG to renewable natural gas (“RNG”) project.

DCEMB’s LFG to RNG project is located in the City of Dallas, Texas. The McCommas Bluff Landfill is one of the largest landfills in the US, with a gas collection system consisting of approximately 470 vertical and horizontal collection wells and overall landfill gas collection in excess of 10,000 scfm.

Loci Controls installed 60 Loci Controllers, and 10 Sentry header-monitoring products in August 2017 at the McCommas Bluff Landfill, as part of an initial validation and performance trial. In October 2018, Loci Controls installed an additional 140 Loci Controllers. In total, 200 collectors are now equipped with Loci products, allowing automated gas collection to control approximately 70% of the overall gas collection at this project.

In December, 2018, Loci Controls began automated gas collection operations using Loci’s proprietary Threshold Gas Composition Algorithm, which is designed to respond to changing aggregate gas quality measured at the plant resulting from atmospheric conditions, ambient temperature, or gas collection issues (eg. air intrusion). Individual, or batch valve adjustments to collection wells, are made automatically based on individual well data as well as aggregate gas composition measured by the plant Gas Chromatograph (“GC”). When the aggregate gas composition, or O<sub>2</sub> or N<sub>2</sub> concentrations at the GC approaches the limits of a desired range, the automated system makes batch valve adjustments to maintain the values within the ideal process range.

Loci also uses a Fine Tuning algorithm running in parallel, which uses hourly gas composition and flow measurements at each collection well to make small (1% open, close) incremental valve adjustments. This optimizes for CH<sub>4</sub> flow while maintaining individual well gas composition within balance gas (N<sub>2</sub>) and O<sub>2</sub> thresholds.

In a recent month at this project, on the 200 collection wells where Loci automated gas collection was operating, there were over 40,000 discrete automated valve adjustments made during the month by the Loci system, to continually optimize the gas collection system and in response to the dynamic nature of landfill gas collection.

*“Entering into a three year service agreement with Loci represents a big step forward for DCEMB at McCommas Bluff,” said Mark Messics, Director of Field Optimization and Development for the operations team that operates and maintains DCEMB’s RNG plant and landfill gas collection system. We were excited to work with Loci to see if we could make improvements to the gas collection system using this new automated landfill gas collection system. Most of the investments by our industry have been in the plant and gas processing, and relatively few changes have been made to improve the gas*

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*collection process itself. We took a cautious approach over the last eighteen months, but based on the results to date and the support provided by Loci for DCEMB's operations, we have decided to enter into a three year service agreement to build upon our relationship with Loci going forward".*

Mark Messics added, *"Since very low levels of Oxygen, and Nitrogen are required in the landfill gas delivered to our gas treatment plant, it is very challenging to optimize the gas collection process using traditional manual well-field tuning. Working with Loci has allowed DCEMB's technical and operations staff to focus their efforts on maximizing overall project performance, and this is providing significant overall benefits".*

Loci CEO, Peter Quigley added, *"We are extremely grateful for the opportunity to work with DCEMB at McCommas Bluff, where we have demonstrated Loci's ability to add value at their RNG project. We are also very excited to enter into a three year service agreement with DCEMB, which will allow us to continue to drive performance improvement at the project and allow us to further refine Loci's automated gas collection products and services."*

#### Background:

#### DCEMB

Located in Dallas TX, the McCommas Bluff facility is one of the largest landfill gas to pipeline quality facilities in the United States, with a processing capacity of 15 million cubic feet per day. The project has exclusive rights to all gas produced by the landfill, and supplies RNG under a long-term contract with an investment grade off-taker.

#### Loci Controls

Founded in 2014, Loci Controls ("Loci") is the leader in automated landfill gas collection. Loci's products and services optimize gas collection system efficiency, increase revenue for our customers, increase productivity, and reduce environmental, health, and safety risks for landfill gas to energy projects. Loci products have been installed at over 20 landfill gas to energy projects, including landfill gas-to-electricity projects and landfill gas-to- high-btu operations.

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